



THE SCIENCE OF READYSM

SOUTH 4 GROUP FIRE

Port Neches, TX

**Revision of Meteorological Conditions
for Preliminary Air Monitoring Reports
Submitted November 27–December 12,
2019**

December 14, 2019

Project #112312

1.0 Summary of Revisions

On December 13, 2019, CTEH personnel identified a discrepancy in the wind roses for daily community and work area air monitoring reports submitted to Unified Command between November 27 and December 12, 2019. More specifically, inputs for wind speed and direction for the wind rose plots were transposed, resulting in wind roses that inaccurately reflected wind speeds with a vector equivalent to the degrees of prevailing winds, and a corresponding wind direction with a vector equivalent to the wind speed.

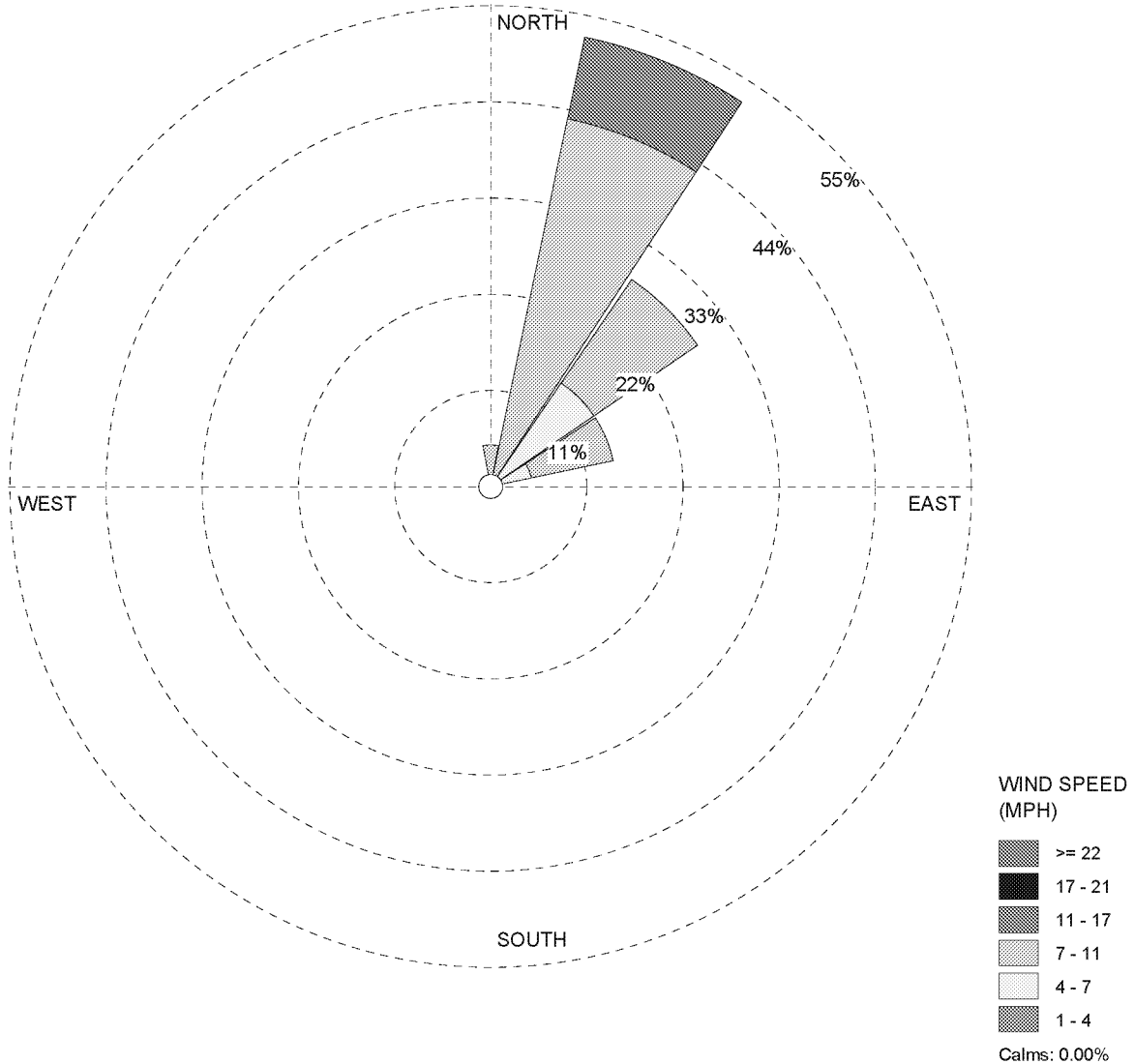
This report provides updated wind roses for each of the reports submitted on corresponding dates, with identical time frames as those originally reported. **Attachment A** contains these in chronological order.

Attachment A

Wind Rose Plots (November 27 – December 12, 2019)

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

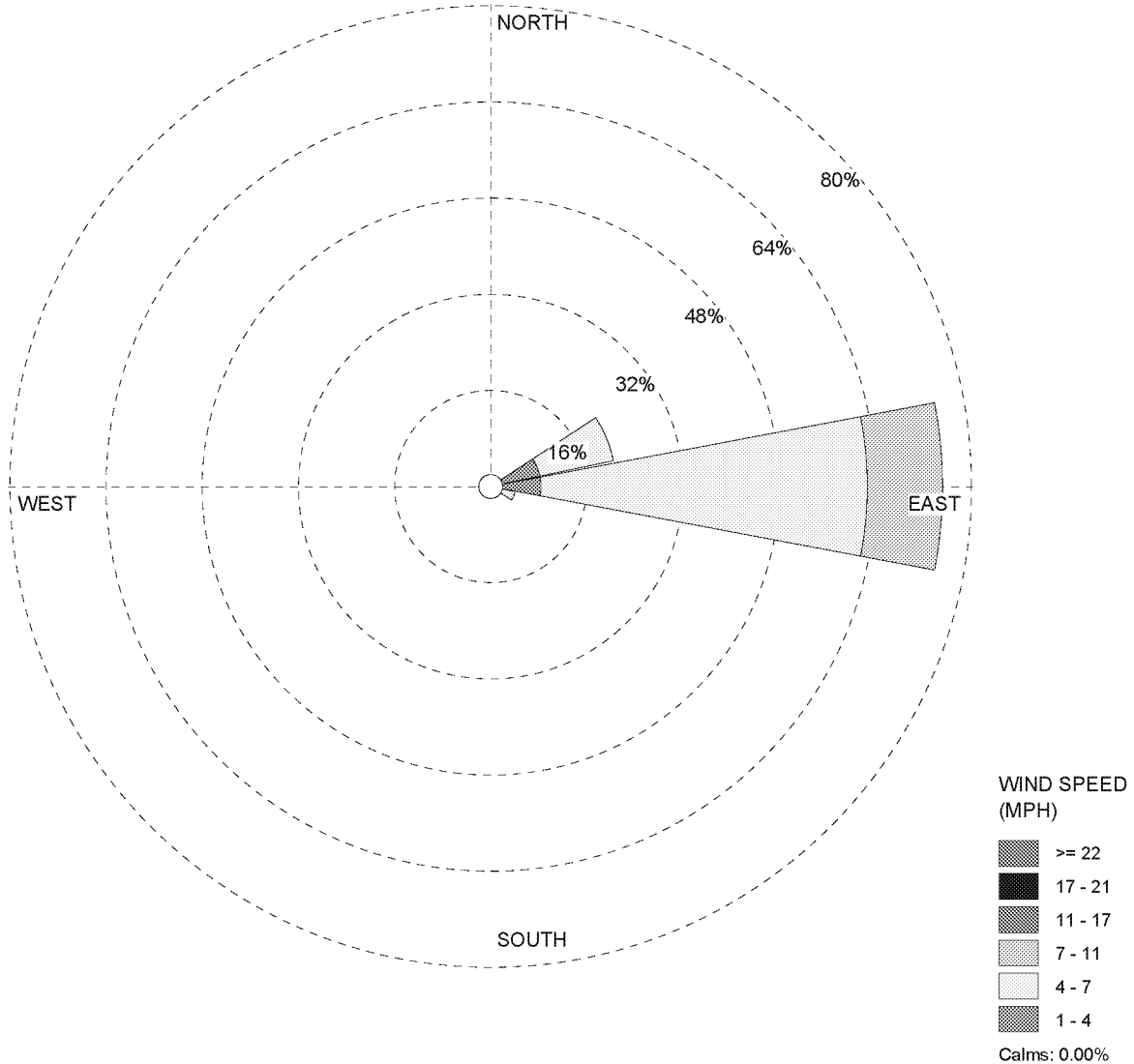


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 11/27/2019 - 09:00 End Date: 11/28/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	0.00%	21 hrs.	
	AVG. WIND SPEED:	DATE:	
	7.95 MPH	12/13/2019	112312

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

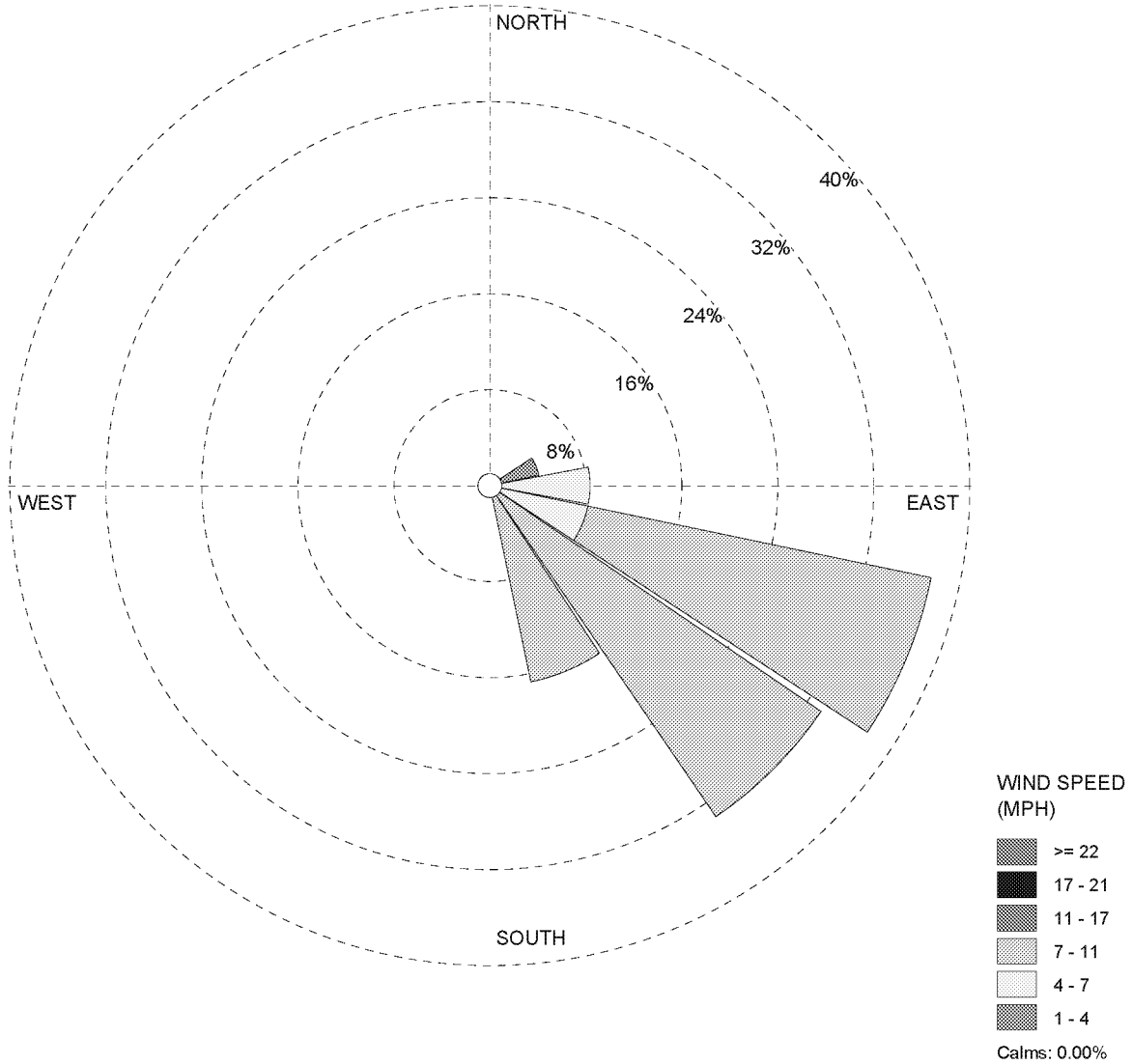


COMMENTS:	DATA PERIOD: Start Date: 11/28/2019 - 06:00 End Date: 11/29/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 5.38 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

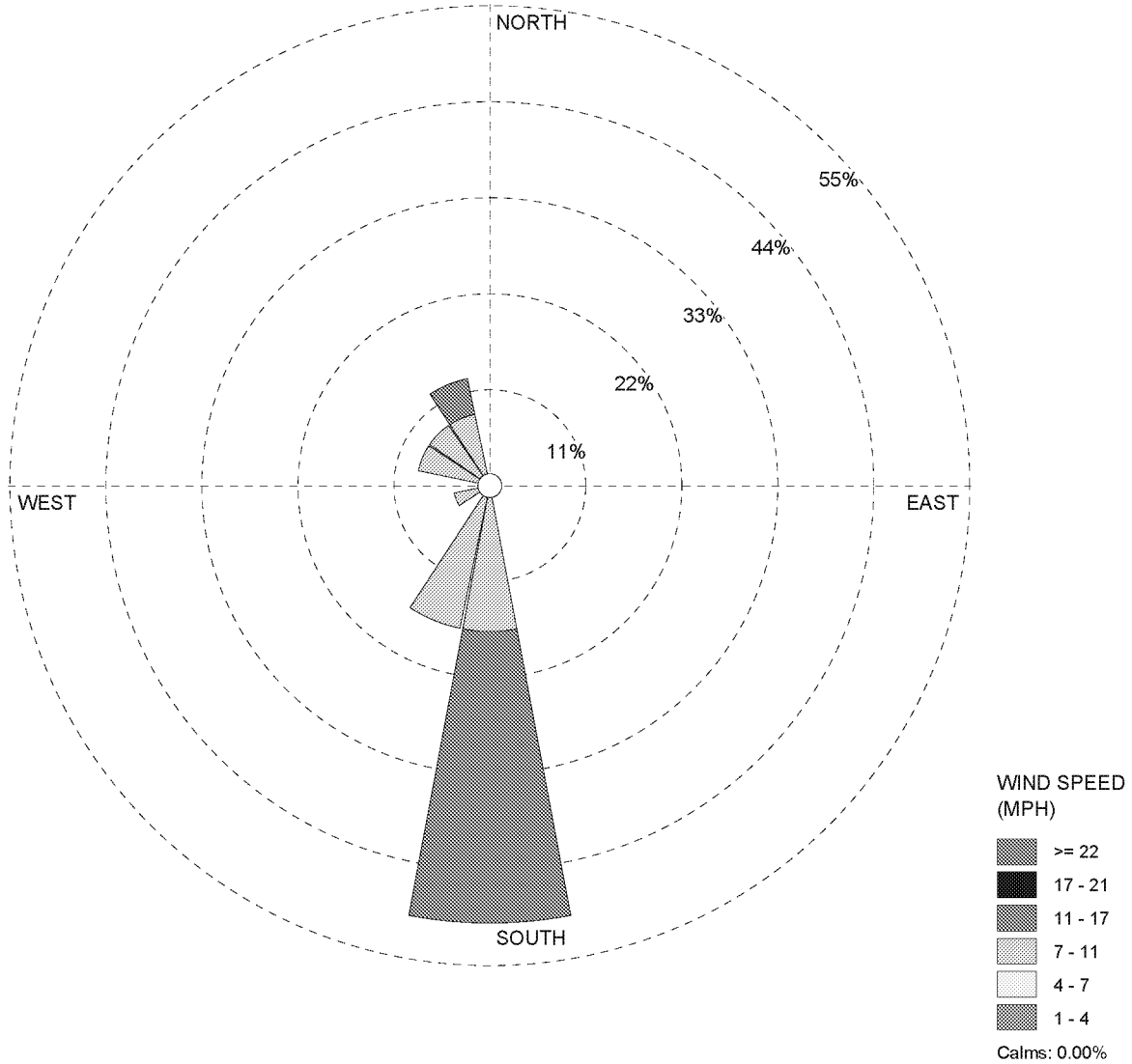


COMMENTS:	DATA PERIOD: Start Date: 11/29/2019 - 06:00 End Date: 11/30/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 7.88 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

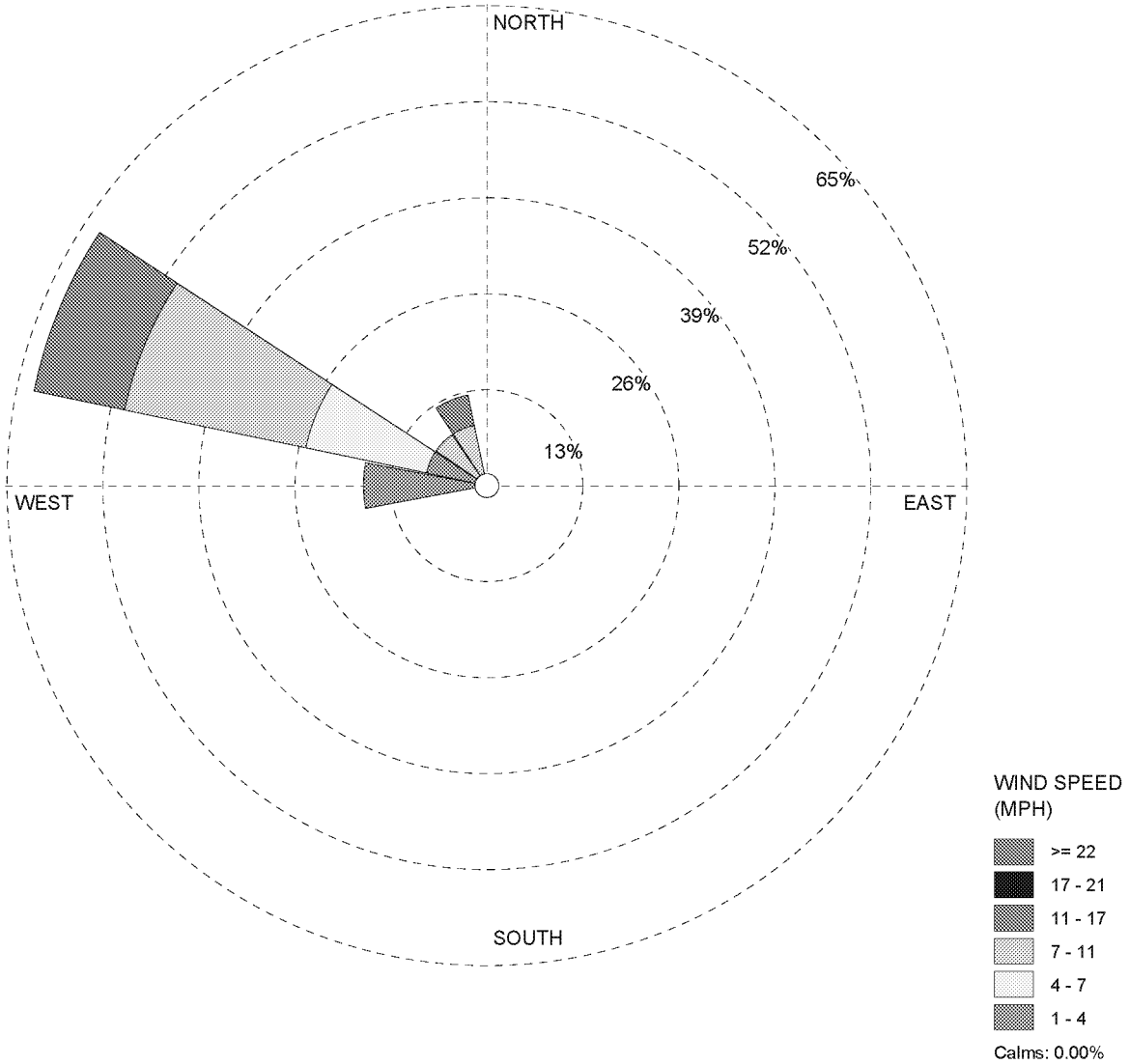


COMMENTS:	DATA PERIOD: Start Date: 11/30/2019 - 06:00 End Date: 12/1/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 10.46 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

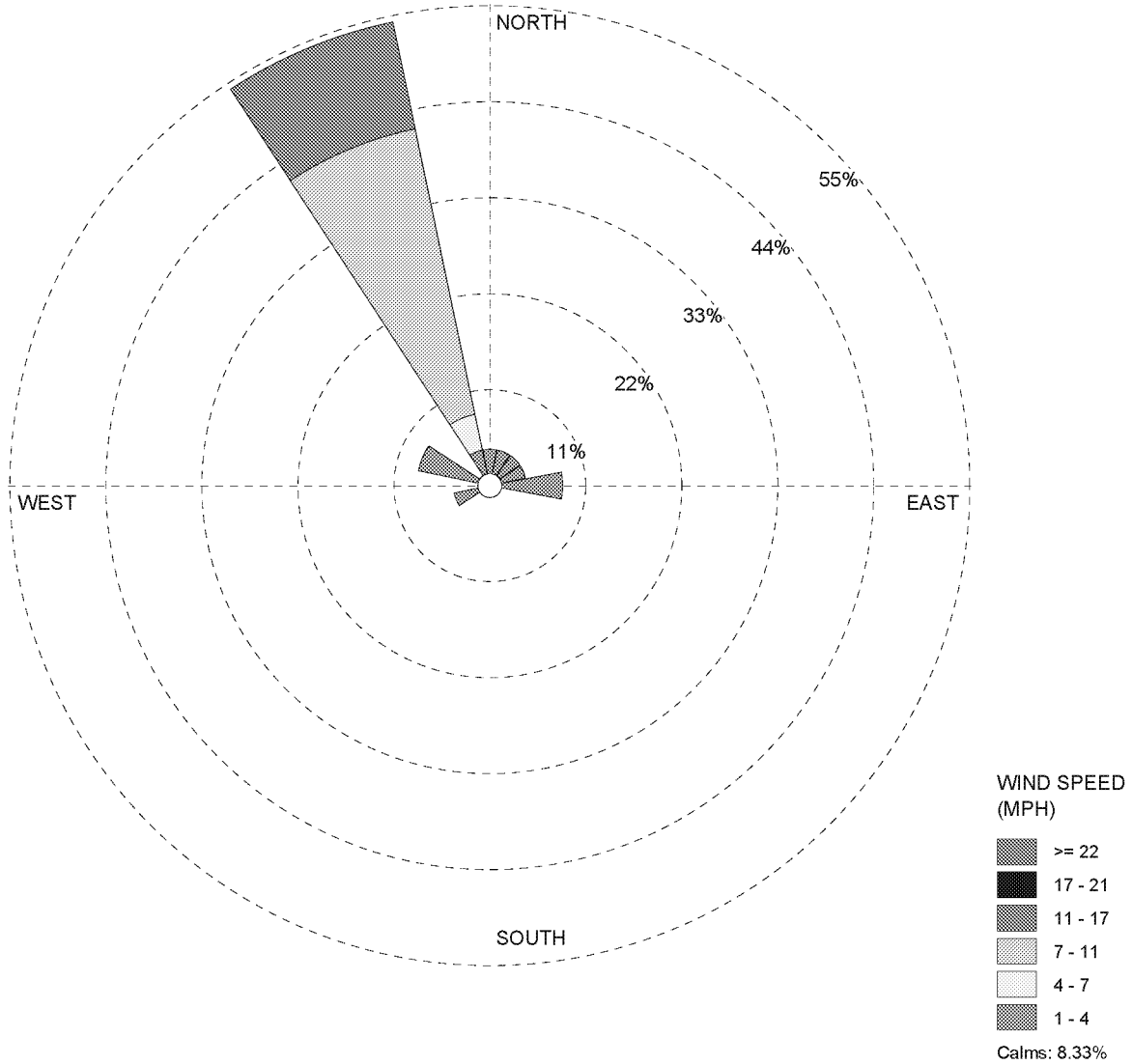


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 12/1/2019 - 06:00 End Date: 12/2/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	0.00%	24 hrs.	
	AVG. WIND SPEED:	DATE:	
	8.17 MPH	12/13/2019	112312

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

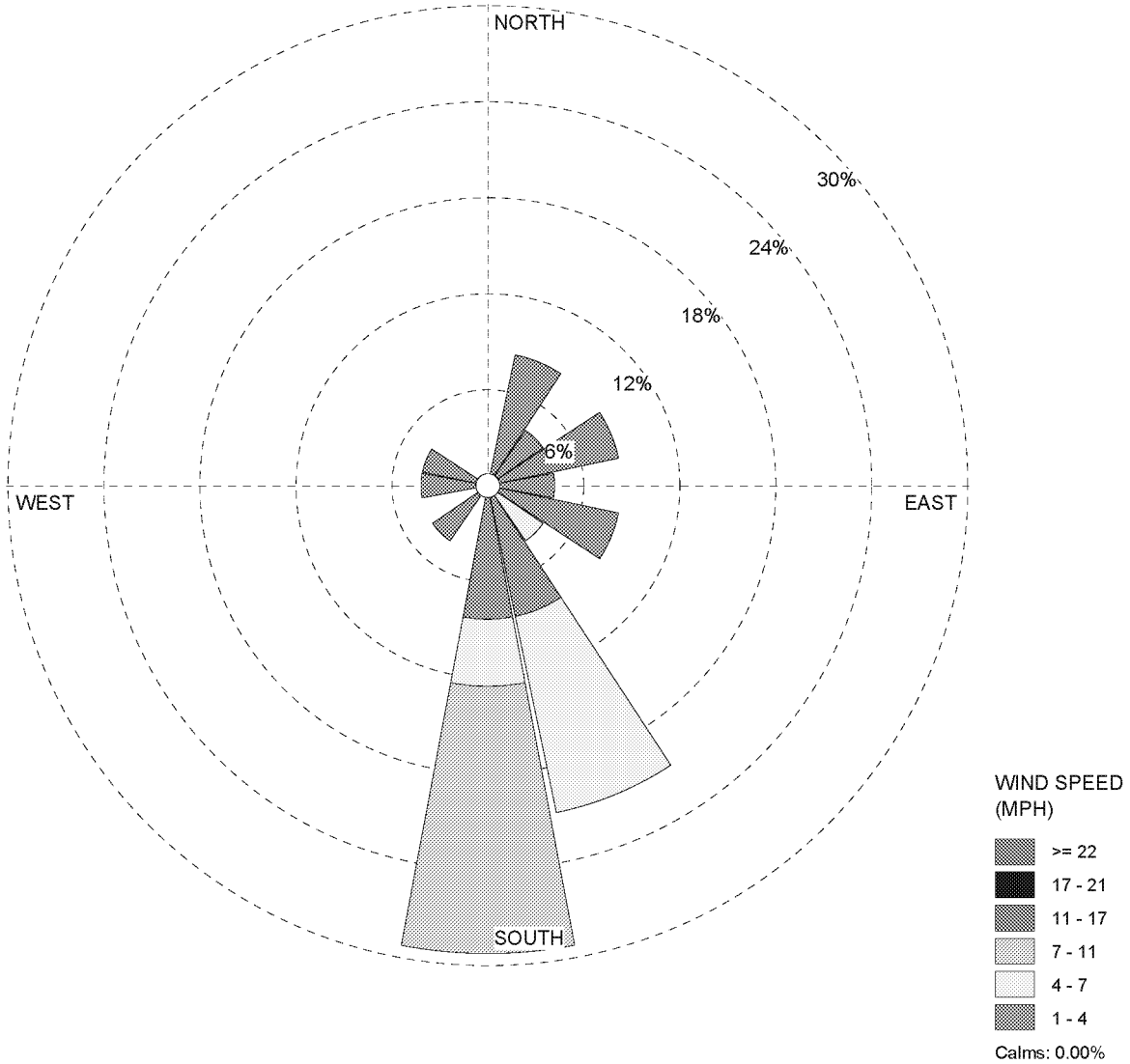


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 12/2/2019 - 06:00 End Date: 12/3/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	8.33%	24 hrs.	
	AVG. WIND SPEED:	DATE:	
	5.67 MPH	12/13/2019	112312

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 12/3/2019 - 06:00
End Date: 12/4/2019 - 05:00

COMPANY NAME:

CTEH, LLC

CALM WINDS:

0.00%

TOTAL COUNT:

24 hrs.

AVG. WIND SPEED:

3.38 MPH

DATE:

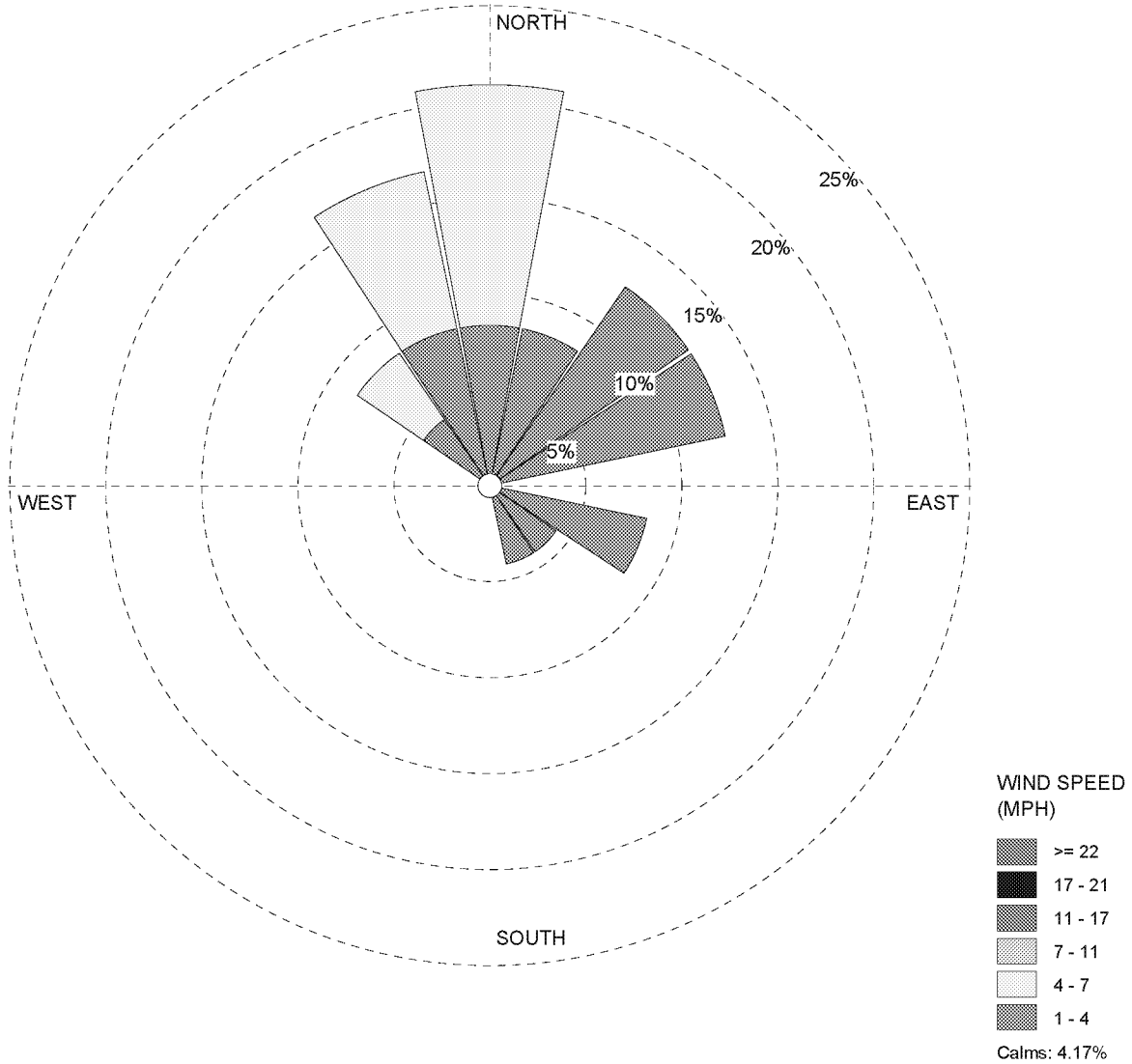
12/13/2019

PROJECT NO.:

112312

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

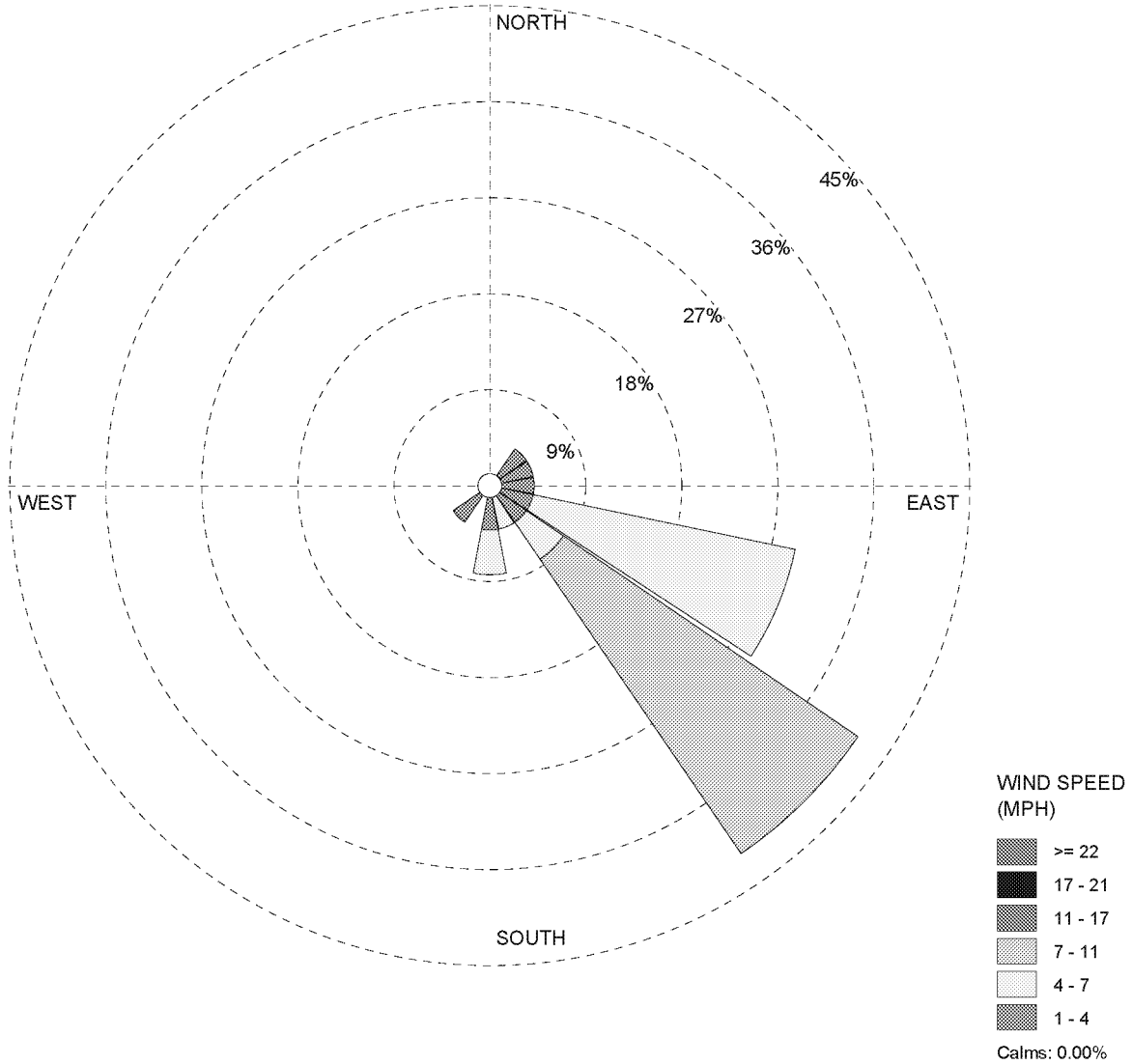


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 12/4/2019 - 06:00 End Date: 12/5/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	4.17%	24 hrs.	
	AVG. WIND SPEED:	DATE:	112312
	2.88 MPH	12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

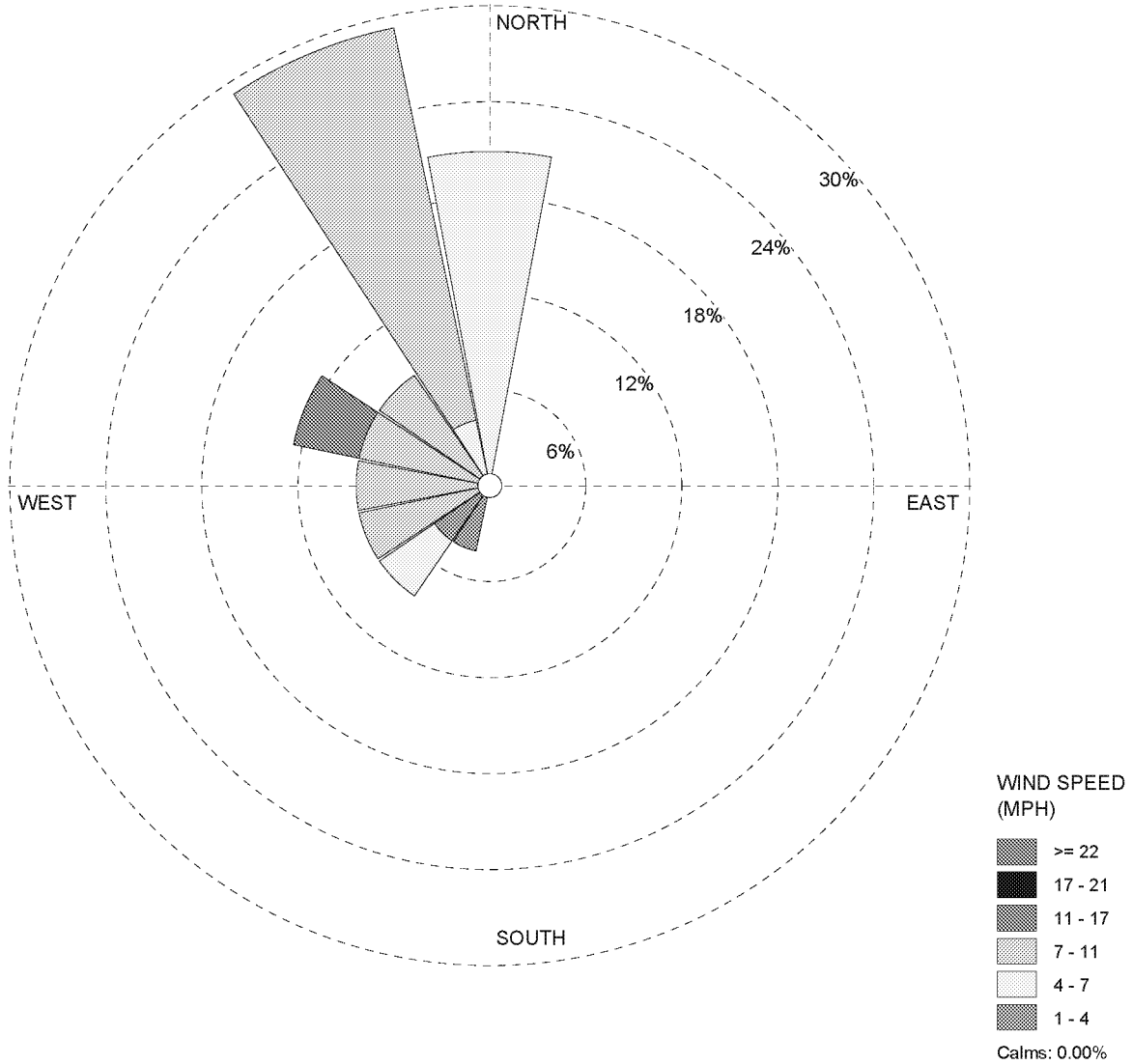


COMMENTS:	DATA PERIOD: Start Date: 12/5/2019 - 06:00 End Date: 12/6/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 5.67 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

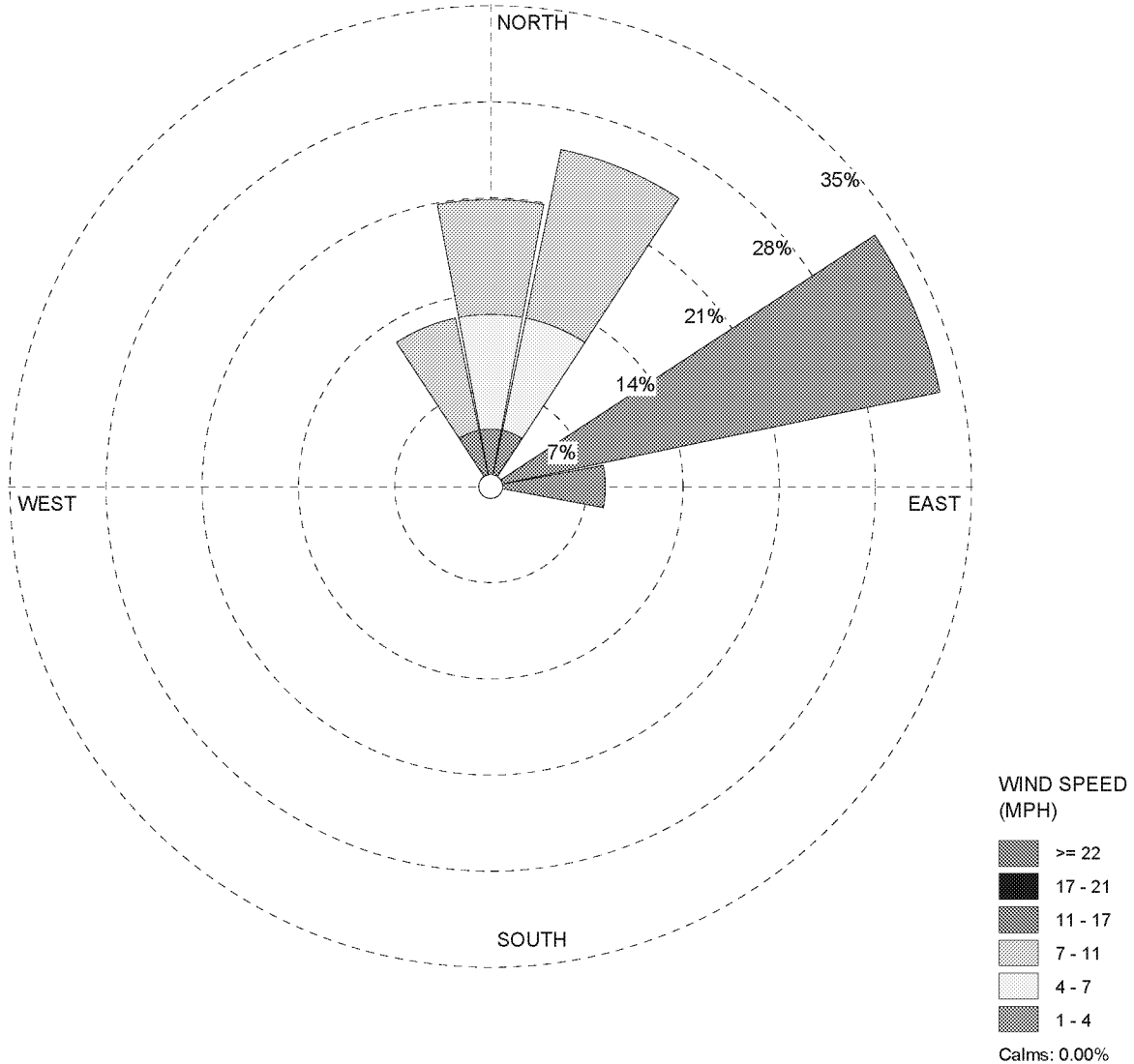


COMMENTS:	DATA PERIOD: Start Date: 12/6/2019 - 06:00 End Date: 12/7/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 7.54 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

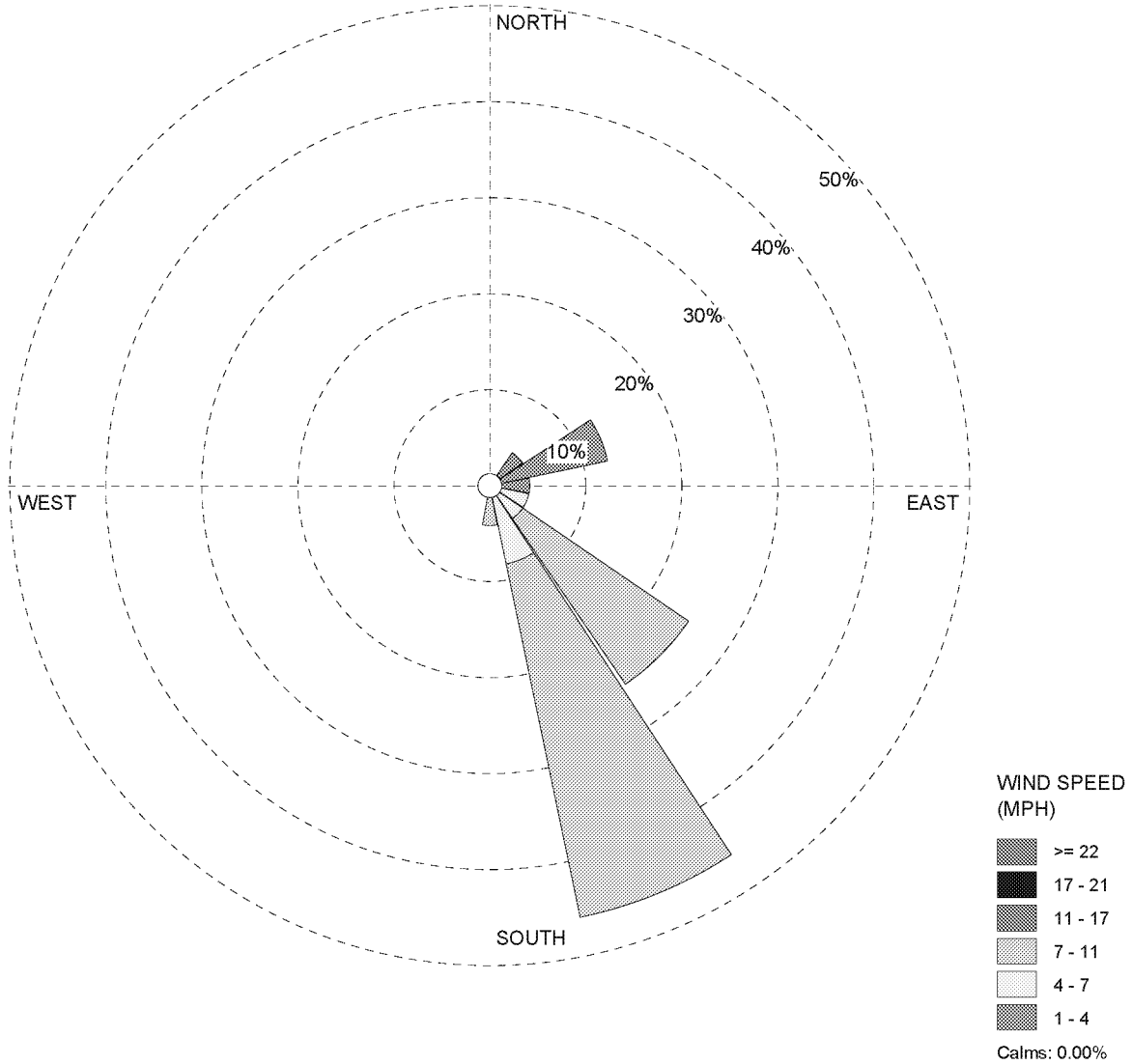


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 12/7/2019 - 06:00 End Date: 12/8/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	0.00%	24 hrs.	
	AVG. WIND SPEED:	DATE:	112312
	4.58 MPH	12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

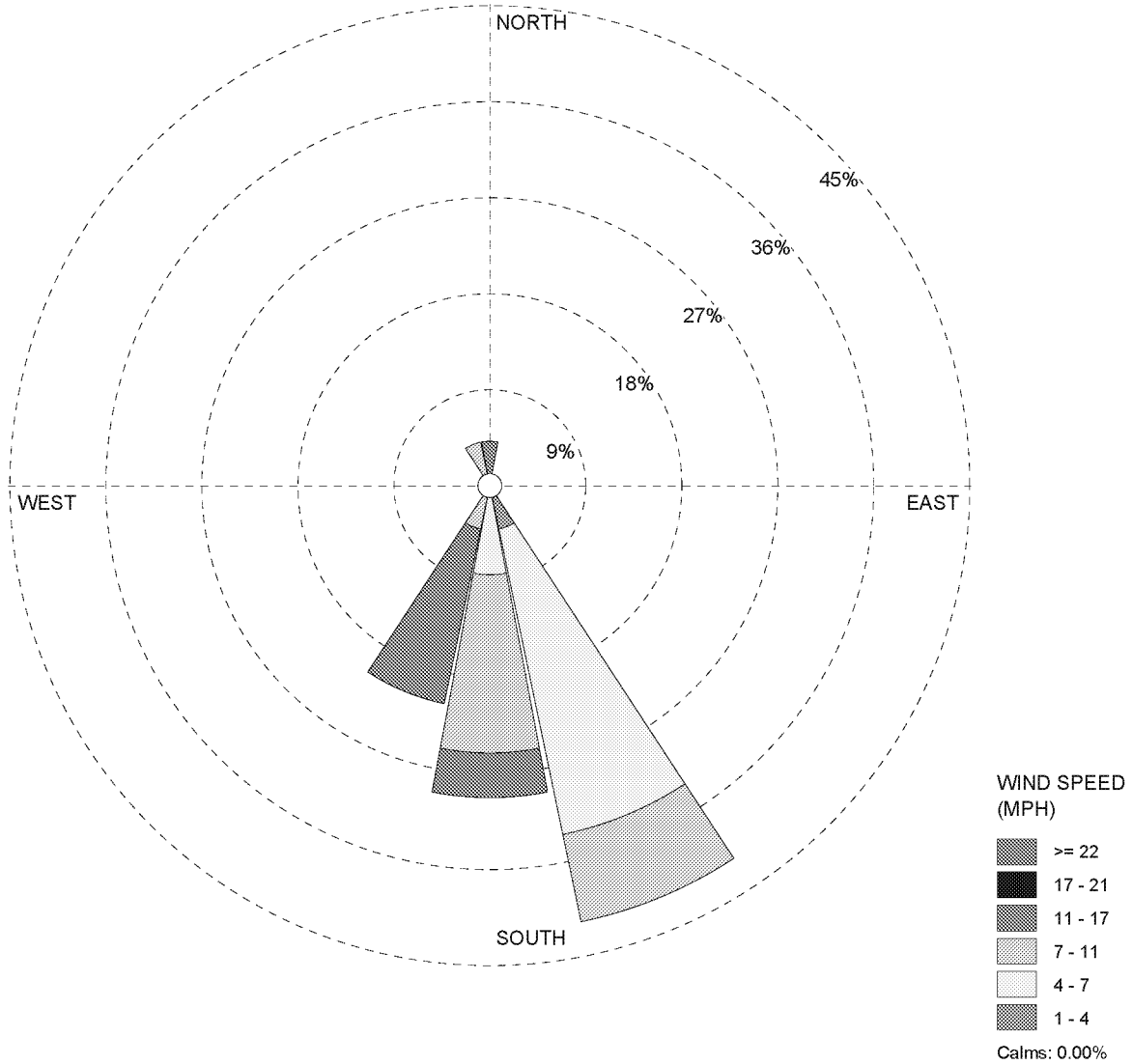


COMMENTS:	DATA PERIOD: Start Date: 12/8/2019 - 06:00 End Date: 12/9/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 6.67 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

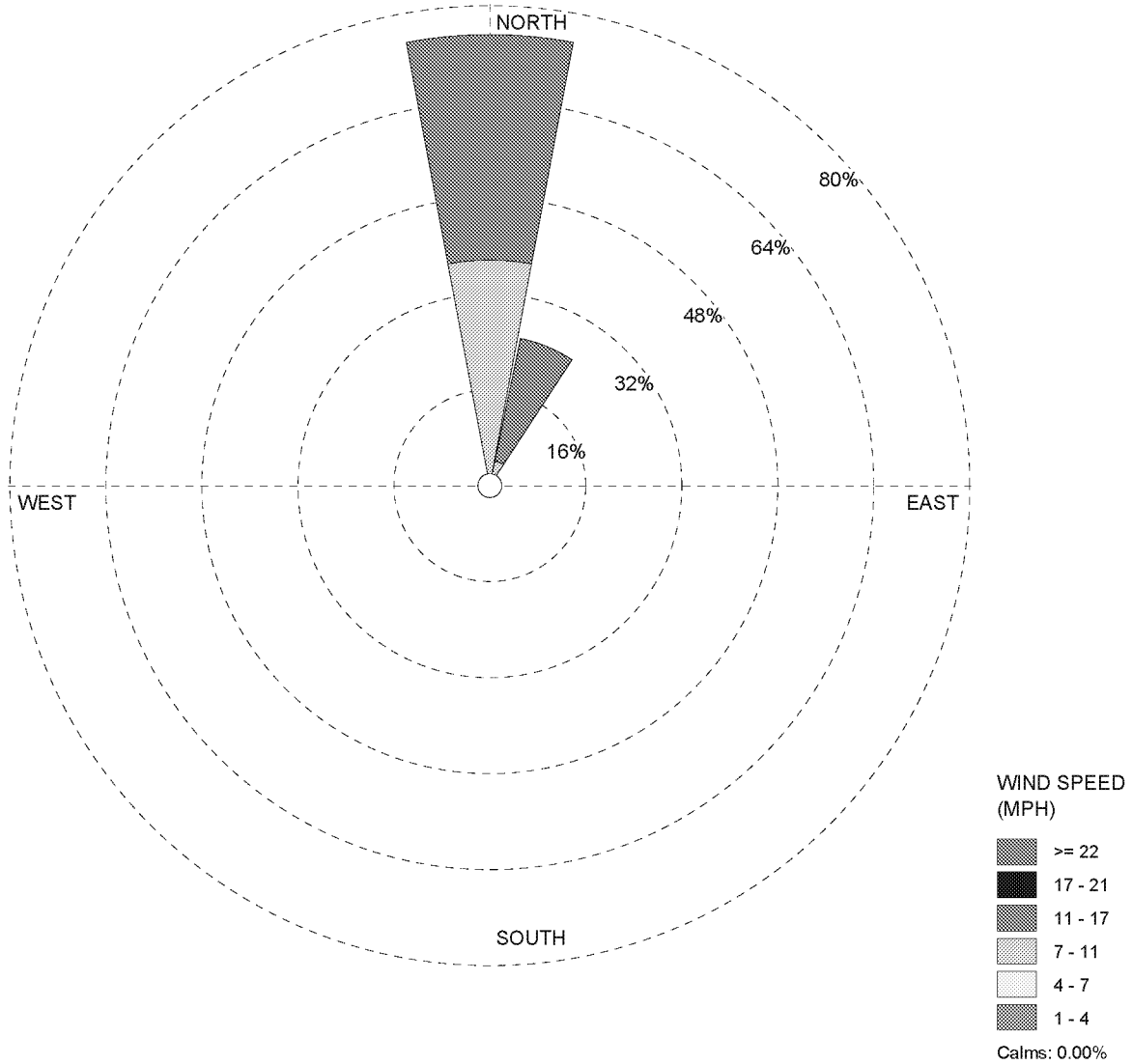


COMMENTS:	DATA PERIOD: Start Date: 12/09/2019 - 06:00 End Date: 12/10/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 8.04 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)

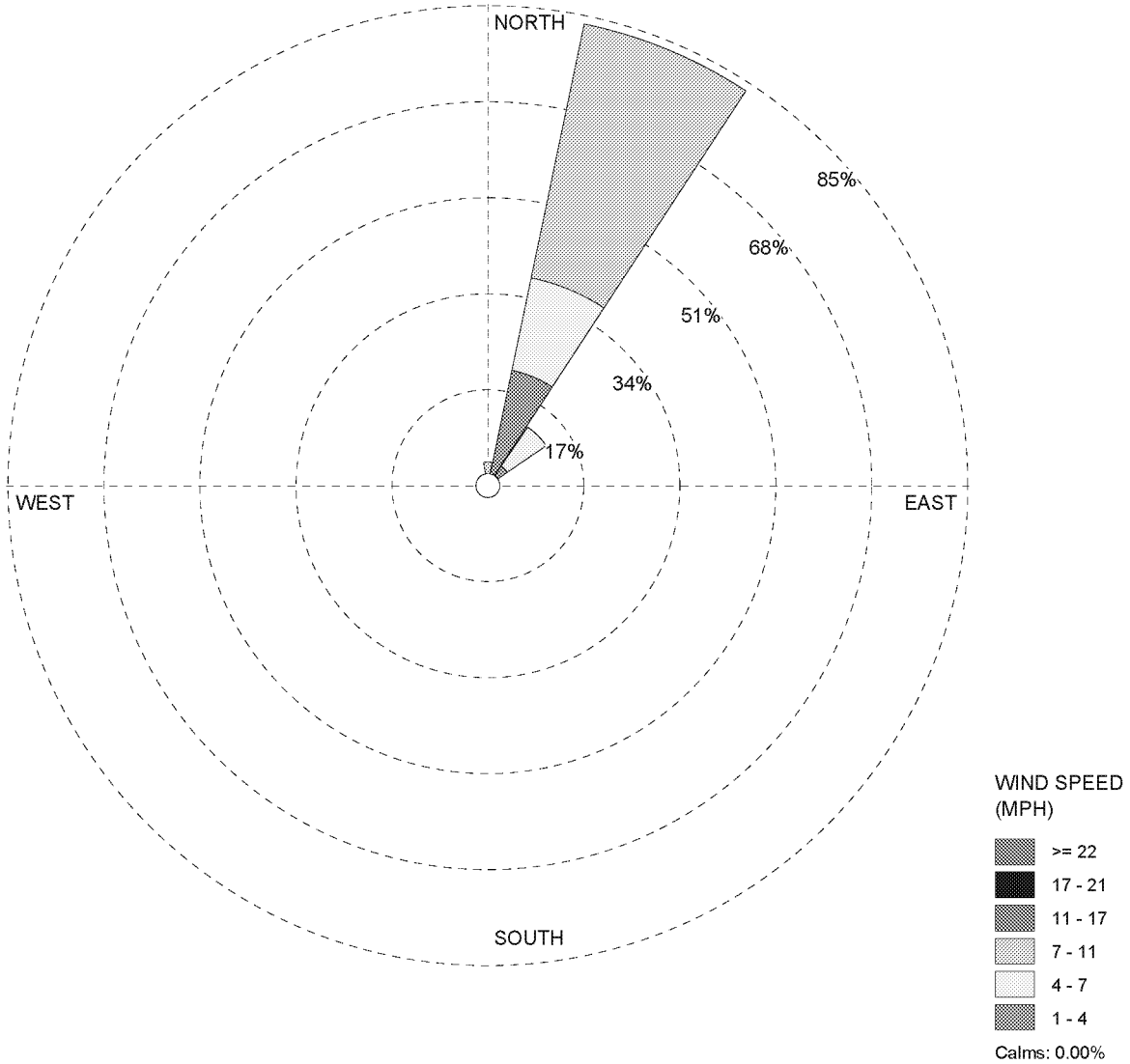


COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 12/10/2019 - 06:00 End Date: 12/11/2019 - 05:00	CTEH, LLC	
	CALM WINDS:	TOTAL COUNT:	PROJECT NO.:
	0.00%	24 hrs.	
	AVG. WIND SPEED:	DATE:	
	12.25 MPH	12/13/2019	112312

WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:
TCEQ CAMS 1035

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: Start Date: 12/11/2019 - 06:00 End Date: 12/12/2019 - 05:00	COMPANY NAME: CTEH, LLC	
	CALM WINDS: 0.00%	TOTAL COUNT: 24 hrs.	PROJECT NO.: 112312
	AVG. WIND SPEED: 6.71 MPH	DATE: 12/13/2019	

WRPLOT View - Lakes Environmental Software